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[IN/IN]; Institute of Integrative Biology, Mall Road, Delhi 110 007 (IN).

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(74) Agents: **HARIHARAN, Rajeshwari et al.**; K & S Partners, 84-C, C6 Lane off Central Avenue Sainik Farms, New Delhi 110 062 (IN).

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(71) Applicants (*for all designated States except US*): **INDIAN COUNCIL OF MEDICAL RESEARCH** [IN/IN]; V. Ramalingaswami Bhawan, Ansari Nagar Post Box 4911, New Delhi 110 029 (IN). **UNIVERSITY OF DELHI** [IN/IN]; University of Delhi South Campus, Benito Juarez Road, New Delhi 110 021 (IN).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **TYAGI, Anil, Kumar** [IN/IN]; Department of Biochemistry, University of Delhi South Campus Benito, Juarez Road, New Delhi 110 021 (IN). **SINGH, Ramandeep** [IN/IN]; Department of Biochemistry, University of Delhi South Campus Benito, Juarez Road, New Delhi 110 021 (IN). **RAO, Vivek** [IN/IN]; Department of Biochemistry, University of Delhi South Campus Benito, Juarez Road, New Delhi 110 021 (IN). **RAMANATHAN, Vadakkuppattu, Devasenapathi** [IN/IN]; Tuberculosis Research Centre, Mayor V.R. Ramanathan Road Chetput, Chennai (IN). **PARAMASIVAN, Chinnambedu, Nainarappan** [IN/IN]; Tuberculosis Research Centre, Mayor V.R. Ramanathan Road Chetput, Chennai (IN). **NARAYANAN, Paranjil, Ramaiyenger** [IN/IN]; Tuberculosis Research Centre, Mayor V.R. Ramanathan Road Chetput, Chennai (IN). **SINGH, Yogendra**

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(54) Title: **MUTANTS OF MYCOBACTERIA AND PROCESS THEREOF**

(57) Abstract: The present invention provides mutant *Mycobacterium* strains harboring a modified tyrosine phosphatase gene (*mptpA* or *mptpB*) wherein the mutant *Mycobacterium* strain is incapable of expressing the active tyrosine phosphatase. The invention provides a method for developing the said mutant strain from either *Mycobacterium tuberculosis* or *Mycobacterium bovis*. The *mptpA* or *mptpB* gene may be modified by replacing the internal sequences with an antibiotic resistance marker gene, which disrupts the expression of the active gene. The invention further provides a recombinant vector comprising the modified *mptpA* or *mptpB* which may be used to develop the mutant strains of mycobacteria. The invention provides a method to assess the role of tyrosine phosphatases MptpA and MptpB in the virulence and pathogenesis of *Mycobacterium* which can be used as potential targets for developing anti-tubercular drug.



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